

Abstract

Title: Effect of a comprehensive rehabilitation program of children with asthma bronchiale

Objectives: The main objective of this thesis is to show the usefulness and necessity of physical therapy in children with bronchial asthma and how does it affect them. Another objective was to summarize the possible available methods with demonstrations of examples of individual exercises that can be used for this disease. The aim was also monitoring and evaluation of the patient's subjective feelings.

Methods: In the thesis we carried out a single arm experiment, where we used comprehensive kinesiology analysis of individual subjects and the methods of lung function tests. From the lung function test, we chose the spirometry test by method of curve flow / capacity and also we used the peak expiratory flow monitoring using peak-flow-meter. We compared the subjective feelings of clients at the beginning and the end of the treatment program.

In the period we watched the changes of value in individual measuring techniques.

Results: We found that a comprehensive treatment of children asthma has a significant impact on their posture and also on the respiratory functions and subjective perception of individual symptoms investigated clients. All clients received the same treatment and each of them occurred in different levels an improvement in all measured parameters. From the subjective evaluation was to alleviation of symptoms.

Key words: lung test, posture, respiratory therapy, physical therapy